

WHAT IS CLAIMED IS:

- 100543-01303
- 5 1. A magnetic material fixing structure of motor rotor comprising multiple overlapping silicon steel plates, an outer circumference of each silicon steel plate being recessed to form multiple receptacles at equal intervals, a magnetic material being disposed in each receptacle, each receptacle and silicon steel plate defining two lateral faces, a bottom face and an opening opposite to the bottom face, each of adjoining sections of the two lateral faces and the bottom face being formed with a dented section, the dented sections dividing the two lateral faces and the bottom face of each receptacle to form multiple resilient plates, whereby the magnetic material is tightly fitted between the resilient plates.
- 15 2. The magnetic material fixing structure of motor rotor as claimed in claim 1, wherein the opening of the receptacle is slightly smaller than an internal width of the receptacle and the two lateral faces are slopes gradually diverging from outer side to inner side.
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